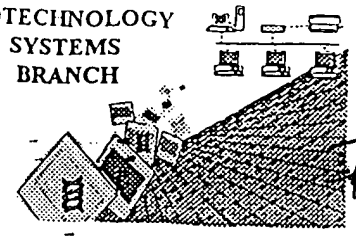
BIOTECHNOLOGY
SYSTEMS
BRANCH



# RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/809,508
Source: PCT
Date Processed by STIC: 9-25-03

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Revised 04/24/2003

PCT

**RAW SEQUENCE LISTING** DATE: 09/25/2003
PATENT APPLICATION: **US/10/009,508** TIME: 17:32:53

Input Set : **A:\20093-10seq.txt**
Output Set: **N:\CRF4\09252003\J009508.raw**

```
     3 <110> APPLICANT: Northwest Biotherapeutics, Inc.
     5 <120> TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS AND TREATMENT OF METASTATIC
     6       PROSTATE TUMORS
     8 <130> FILE REFERENCE: 8511-025-228
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/009,508
C--> 11 <141> CURRENT FILING DATE: 2003-05-19
    13 <160> NUMBER OF SEQ ID NOS: 16
    15 <170> SOFTWARE: PatentIn Ver. 2.0
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**ERRORED SEQUENCES**

Does Not Comply
Corrected Diskette Needed

P.4

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   375 <210> SEQ ID NO: 2
   376 <211> LENGTH: 1298
   377 <212> TYPE: PRT
   378 <213> ORGANISM: Homo sapiens
   380 <400> SEQUENCE: 2
   381 Met Gln Arg Gly Ala Ala Leu Cys Leu Arg Leu Trp Leu Cys Leu Gly
   382   1               5                  10                  15
   384 Leu Leu Asp Gly Leu Val Ser Asp Tyr Ser Met Thr Pro Pro Thr Leu
   385              20                  25                  30
   387 Asn Ile Thr Glu Glu Ser His Val Ile Asp Thr Gly Asp Ser Leu Ser
   388          35                  40                  45
   390 Ile Ser Cys Arg Gly Gln His Pro Leu Glu Trp Ala Trp Pro Gly Ala
   391      50                  55                  60
   393 Gln Glu Ala Pro Ala Thr Gly Asp Lys Asp Ser Glu Asp Thr Gly Val
   394  65                  70                  75                  80
   396 Val Arg Asp Cys Glu Gly Thr Asp Ala Arg Pro Tyr Cys Lys Val Leu
   397                  85                  90                  95
   399 Leu Leu His Glu Val His Ala Asn Asp Thr Gly Ser Tyr Val Cys Tyr
   400              100                 105                 110
   402 Tyr Lys Tyr Ile Lys Ala Arg Ile Glu Gly Thr Thr Ala Ala Ser Ser
   403          115                 120                 125
   405 Tyr Val Phe Val Arg Asp Phe Glu Gln Pro Phe Ile Asn Lys Pro Asp
   406      130                 135                 140
   408 Thr Leu Leu Val Asn Arg Lys Asp Ala Met Trp Val Pro Cys Leu Val
   409 145                 150                 155                 160
   411 Ser Ile Pro Gly Leu Asn Val Thr Leu Arg Ser Gln Ser Ser Val Leu
   412                 165                 170                 175
   414 Trp Pro Asp Gly Gln Glu Val Val Trp Asp Asp Arg Arg Gly Met Leu
   415              180                 185                 190
   417 Val Ser Thr Pro Leu Leu His Asp Ala Leu Tyr Leu Gln Cys Glu Thr
   418          195                 200                 205
```

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```
420 Thr Trp Gly Asp Gln Asp Phe Leu Ser Asn Pro Phe Leu Val His Ile
421     210                 215                 220
423 Thr Gly Asn Glu Leu Tyr Asp Ile Gln Leu Leu Pro Arg Lys Ser Leu
424 225                 230                 235                 240
426 Glu Leu Leu Val Gly Glu Lys Leu Val Leu Asn Cys Thr Val Trp Ala
427                 245                 250                 255
429 Glu Phe Asn Ser Gly Val Thr Phe Asp Trp Asp Tyr Pro Gly Lys Gln
430             260                 265                 270
432 Ala Glu Arg Gly Lys Trp Val Pro Glu Arg Arg Ser Gln Gln Thr His
433         275                 280                 285
435 Thr Glu Leu Ser Ser Ile Leu Thr Ile His Asn Val Ser Gln His Asp
436     290                 295                 300
438 Leu Gly Ser Tyr Val Cys Lys Ala Asn Asn Gly Ile Gln Arg Phe Arg
439 305                 310                 315                 320
441 Glu Ser Thr Glu Val Ile Val His Glu Asn Pro Phe Ile Ser Val Glu
442                 325                 330                 335
444 Trp Leu Lys Gly Pro Ile Leu Glu Ala Thr Ala Gly Asp Glu Leu Val
445             340                 345                 350
447 Lys Leu Pro Val Lys Leu Ala Ala Tyr Pro Pro Pro Glu Phe Gln Trp
448         355                 360                 365
450 Tyr Lys Asp Gly Lys Ala Leu Ser Gly Arg His Ser Pro His Ala Leu
451     370                 375                 380
453 Val Leu Lys Glu Val Thr Glu Ala Ser Thr Gly Thr Tyr Thr Leu Ala
454 385                 390                 395                 400
456 Leu Trp Asn Ser Ala Ala Gly Leu Arg Arg Asn Ile Ser Leu Glu Leu
457                 405                 410                 415
459 Val Val Asn Val Pro Pro Gln Ile His Glu Lys Glu Ala Ser Ser Pro
460             420                 425                 430
462 Ser Ile Tyr Ser Arg His Ser Arg Gln Ala Leu Thr Cys Thr Ala Tyr
463         435                 440                 445
465 Gly Val Pro Leu Pro Leu Ser Ile Gln Trp His Trp Arg Pro Trp Thr
466     450                 455                 460
468 Pro Cys Lys Met Phe Ala Gln Arg Ser Leu Arg Arg Arg Gln Gln Gln
469 465                 470                 475                 480
471 Asp Leu Met Pro Gln Cys Arg Asp Trp Arg Ala Val Thr Thr Gln Asp
472                 485                 490                 495
474 Ala Val Asn Pro Ile Glu Ser Leu Asp Thr Trp Thr Glu Phe Val Glu
475             500                 505                 510
477 Gly Lys Asn Lys Thr Val Ser Lys Leu Val Ile Gln Asn Ala Asn Val
478         515                 520                 525
480 Ser Ala Met Tyr Lys Cys Val Val Ser Asn Lys Val Gly Gln Asp Glu
481     530                 535                 540
483 Arg Leu Ile Tyr Phe Tyr Val Thr Thr Ile Pro Asp Gly Phe Thr Ile
484 545                 550                 555                 560
486 Glu Ser Lys Pro Ser Glu Glu Leu Leu Glu Gly Gln Pro Val Leu Leu
487                 565                 570                 575
489 Ser Cys Gln Ala Asp Ser Tyr Lys Tyr Glu His Leu Arg Trp Tyr Arg
490             580                 585                 590
492 Leu Asn Leu Ser Thr Leu His Asp Ala His Gly Asn Pro Leu Leu Leu
```

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```
493         595                 600                 605
495 Asp Cys Lys Asn Val His Leu Phe Ala Thr Pro Leu Ala Ala Ser Leu
496     610                 615                 620
498 Glu Glu Val Ala Pro Gly Ala Arg His Ala Thr Leu Ser Leu Ser Ile
499 625                 630                 635                 640
501 Pro Arg Val Ala Pro Glu His Glu Gly His Tyr Val Cys Glu Val Gln
502                 645                 650                 655
504 Asp Arg Arg Ser His Asp Lys His Cys His Lys Lys Tyr Leu Ser Val
505             660                 665                 670
507 Gln Ala Leu Glu Ala Pro Arg Leu Thr Gln Asn Leu Thr Asp Leu Leu
508         675                 680                 685
510 Val Asn Val Ser Asp Ser Leu Glu Met Gln Cys Leu Val Ala Gly Ala
511     690                 695                 700
513 His Ala Pro Ser Ile Val Trp Tyr Lys Asp Glu Arg Leu Leu Glu Glu
514 705                 710                 715                 720
516 Lys Ser Gly Val Asp Leu Ala Asp Ser Asn Gln Lys Leu Ser Ile Gln
517                 725                 730                 735
519 Arg Val Arg Glu Glu Asp Ala Gly Pro Tyr Leu Cys Ser Val Cys Arg
520             740                 745                 750
522 Pro Lys Gly Cys Val Asn Ser Ser Ala Ser Val Ala Val Glu Gly Ser
523         755                 760                 765
525 Glu Asp Lys Gly Ser Met Glu Ile Val Ile Leu Val Gly Thr Gly Val
526     770                 775                 780
528 Ile Ala Val Phe Phe Trp Val Leu Leu Leu Leu Ile Phe Cys Asn Met
529 785                 790                 795                 800
531 Arg Arg Pro Ala His Ala Asp Ile Lys Thr Gly Tyr Leu Ser Ile Ile
532                 805                 810                 815
534 Met Asp Pro Gly Glu Val Pro Leu Glu Glu Gln Cys Glu Tyr Leu Ser
535             820                 825                 830
537 Tyr Asp Ala Ser Gln Trp Glu Phe Pro Arg Glu Arg Leu His Leu Gly
538         835                 840                 845
540 Arg Val Leu Gly Tyr Gly Ala Phe Gly Lys Val Val Glu Ala Ser Ala
541     850                 855                 860
543 Phe Gly Ile His Lys Gly Ser Ser Cys Asp Thr Val Ala Val Lys Met
544 865                 870                 875                 880
546 Leu Lys Glu Gly Ala Thr Ala Ser Glu Gln Arg Ala Leu Met Ser Glu
547                 885                 890                 895
549 Leu Lys Ile Leu Ile His Ile Gly Asn His Leu Asn Val Val Asn Leu
550             900                 905                 910
552 Leu Gly Ala Cys Thr Lys Pro Gln Gly Pro Leu Met Val Ile Val Glu
553         915                 920                 925
555 Phe Cys Lys Tyr Gly Asn Leu Ser Asn Phe Leu Arg Ala Lys Arg Asp
556     930                 935                 940
558 Ala Phe Ser Pro Cys Ala Glu Lys Ser Pro Glu Gln Arg Gly Arg Phe
559 945                 950                 955                 960
561 Arg Ala Met Val Glu Leu Ala Arg Leu Asp Arg Arg Arg Pro Gly Ser
562                 965                 970                 975
564 Ser Asp Arg Val Leu Phe Ala Arg Phe Ser Lys Thr Glu Gly Gly Ala
565             980                 985                 990
```

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Output Set: **N:\CRF4\09252003\J009508.raw**

```
    567 Arg Arg Ala Ser Pro Asp Gln Glu Ala Glu Asp Leu Trp Leu Ser Pro
    568         995                1000                1005
    570 Leu Thr Met Glu Asp Leu Val Cys Tyr Ser Phe Gln Val Ala Arg Gly
    571    1010                1015                1020
    573 Met Glu Phe Leu Ala Ser Arg Lys Cys Ile His Arg Asp Leu Ala Ala
E--> 574 025 1025           1030                1035                1040
    576 Arg Asn Ile Leu Leu Ser Glu Ser Asp Val Val Lys Ile Cys Asp Phe
    577                1045                1050                1055
    579 Gly Leu Ala Arg Asp Ile Tyr Lys Asp Pro Asp Tyr Val Arg Lys Gly
    580            1060                1065                1070
    582 Ser Ala Arg Leu Pro Leu Lys Trp Met Ala Pro Glu Ser Ile Phe Asp
    583        1075                1080                1085
    585 Lys Val Tyr Thr Thr Gln Ser Asp Val Trp Ser Phe Gly Val Leu Leu
    586    1090                1095                1100
    588 Trp Glu Ile Phe Ser Leu Gly Ala Ser Pro Tyr Pro Gly Val Gln Ile
E--> 589 105                1110                1115                1120
    591 Asn Glu Glu Phe Cys Gln Arg Val Arg Asp Gly Thr Arg Met Arg Ala
    592                1125                1130                1135
    594 Pro Glu Leu Ala Thr Pro Ala Ile Arg His Ile Met Leu Asn Cys Trp
    595            1140                1145                1150
    597 Ser Gly Asp Pro Lys Ala Arg Pro Ala Phe Ser Asp Leu Val Glu Ile
    598        1155                1160                1165
    600 Leu Gly Asp Leu Leu Gln Gly Arg Gly Leu Gln Glu Glu Glu Glu Val
    601    1170                1175                1180
    603 Cys Met Ala Pro Arg Ser Ser Gln Ser Ser Glu Glu Gly Ser Phe Ser
E--> 604 185                1190                1195                1200
    606 Gln Val Ser Thr Met Ala Leu His Ile Ala Gln Ala Asp Ala Glu Asp
    607                1205                1210                1215
    609 Ser Pro Pro Ser Leu Gln Arg His Ser Leu Ala Ala Arg Tyr Tyr Asn
    610            1220                1225                1230
    612 Trp Val Ser Phe Pro Gly Cys Leu Ala Arg Gly Ala Glu Thr Arg Gly
    613        1235                1240                1245
    615 Ser Ser Arg Met Lys Thr Phe Glu Glu Phe Pro Met Thr Pro Thr Thr
    616    1250                1255                1260
    618 Tyr Lys Gly Ser Val Asp Asn Gln Thr Asp Ser Gly Met Val Leu Ala
E--> 619 265                1270                1275                1280
    621 Ser Glu Glu Phe Glu Gln Ile Glu Ser Arg His Arg Gln Glu Ser Gly
    622                1285                1290                1295
    624 Phe Arg
```

When numbering the first amino-acid, begin the number directly under the first letter of the amino-acid. Please leave a space between last number and next amino-acid.

example: Met Glu Phe Leu Ala Ser
1025 1030

**VERIFICATION SUMMARY** DATE: 09/25/2003
PATENT APPLICATION: **US/10/009,508** TIME: 17:32:55

Input Set : **A:\20093-10seq.txt**
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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:574 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2
M:332 Repeated in SeqNo=2